

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: PORTFOLIO

Report Number: P249859

Luminaire Tested: **LD8B175D010 ER8B1759727 8LBN0H**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P249859  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13959)  
Test Lab: INNOVATION CENTER-P1  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD8B175D010 ER8B1759727 8LBN0H  
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED  
DOWNLIGHT  
97 CRI 2700 CCT WITH SEMI-SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11204.0 lumens  
Efficiency: N/A  
Efficacy: 63.2 lumens/watt  
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.81  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

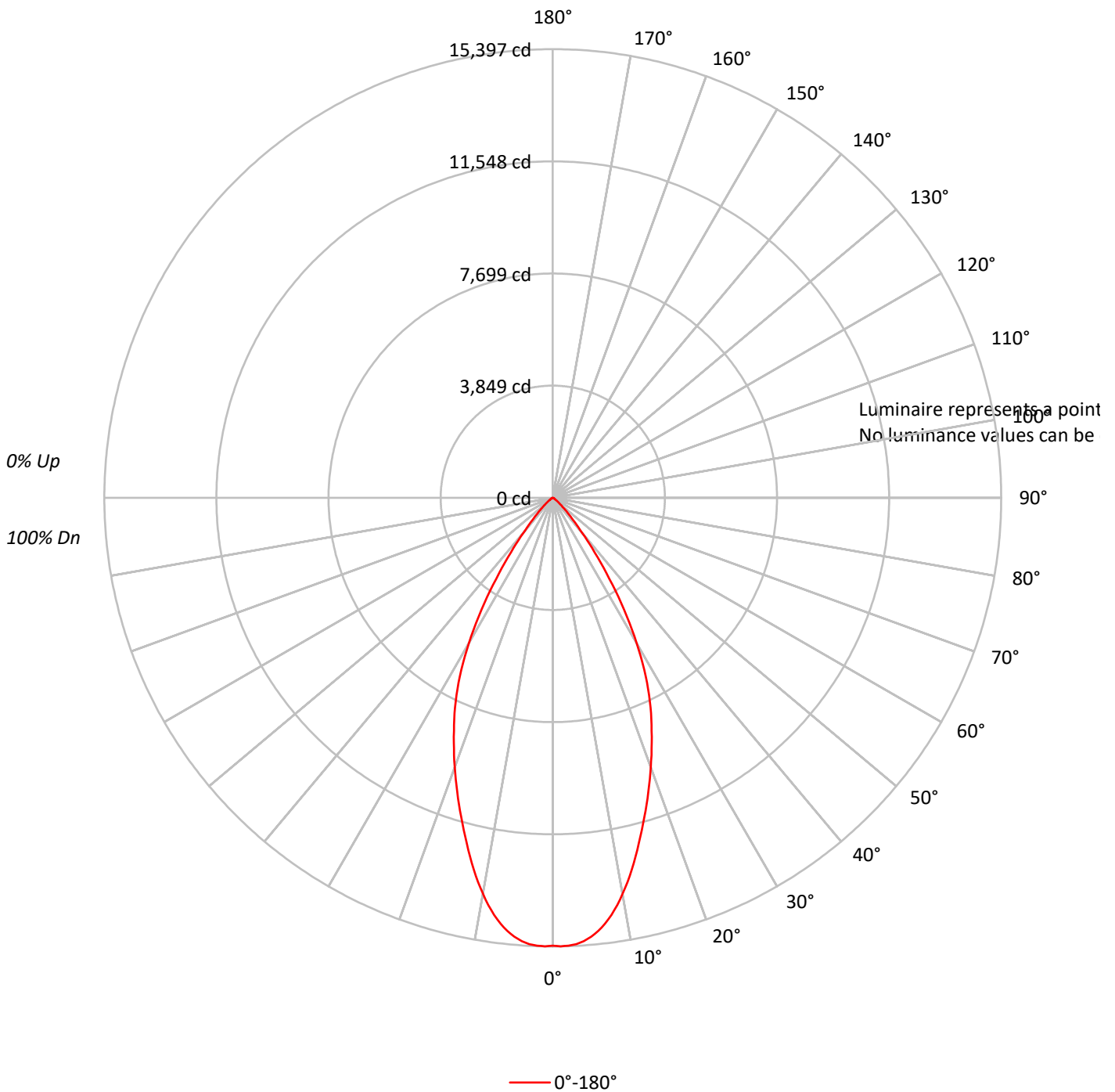
Input Watts (W): 177.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	114	111	109	106	111	109	107	105	105	103	101	101	100	98	98	97	96	94
2	108	103	100	96	106	102	98	95	99	96	93	96	93	91	93	91	89	88
3	103	97	92	88	101	95	91	87	93	89	86	90	87	85	88	85	83	82
4	98	91	85	81	96	89	84	81	87	83	80	85	82	79	83	80	78	76
5	93	85	79	75	92	84	79	75	82	78	74	81	77	74	79	76	73	71
6	89	80	74	70	87	79	74	70	78	73	69	76	72	69	75	71	68	67
7	84	75	70	66	83	75	69	65	74	69	65	72	68	65	71	67	64	63
8	81	71	65	62	79	71	65	61	70	65	61	69	64	61	68	64	61	59
9	77	68	62	58	76	67	62	58	66	61	58	65	61	57	64	60	57	56
10	73	64	58	55	72	64	58	55	63	58	54	62	57	54	61	57	54	53

**AVERAGE LUMINANCE (cd/sqm):**





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1401.3	12.5
10°-20°	3289.8	29.4
20°-30°	3595.6	32.1
30°-40°	2139.7	19.1
40°-50°	586.9	5.2
50°-60°	133.0	1.2
60°-70°	41.1	0.4
70°-80°	12.5	0.1
80°-90°	4.1	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	8286.7	74.0
0°-40°	10426.4	93.1
0°-60°	11146.3	99.5
0°-90°	11204.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11204.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	15367	
5°	15121	###
15°	11807	3290
25°	7943	3596
35°	3386	2140
45°	686	587
55°	133	133
65°	42	41
75°	11	13
85°	4	4
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	15367.0
1°	15397.3
2°	15378.4
3°	15340.5
4°	15253.3
5°	15120.6
6°	14949.9
7°	14722.5
8°	14457.1
9°	14149.9
10°	13804.9
11°	13437.1
12°	13042.8
13°	12637.1
14°	12216.3
15°	11806.8
16°	11404.9
17°	11010.6
18°	10616.2
19°	10221.9
20°	9839.0
22.5°	8875.9
25°	7943.2
27.5°	6915.7
30°	5774.5
32.5°	4549.8
35°	3385.8
37.5°	2354.5
40°	1562.1
42.5°	1023.7
45°	686.3
47.5°	455.0
50°	303.3
52.5°	185.8
55°	132.7
57.5°	94.8
60°	72.0
62.5°	53.1
65°	41.7
67.5°	26.5
70°	19.0
72.5°	15.2
75°	11.4
77.5°	7.6
80°	7.6



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**CANDELA DISTRIBUTION (continued):**

	0°
82.5°	3.8
85°	3.8
87.5°	3.8
90°	0.0

(END OF REPORT)